

19980421.qrp v01\_n067.qrs.980421

Date: Tue, 21 Apr 1998 19:03:24 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1067

QRP-L Digest 1067

Topics covered in this issue include:

- 1) [8662] Re: The Peace that passes all understanding  
by Mike - W0TMW <crucis@sky.net>
- 2) [8663] Elmer101:Soldering irons  
by Mary Barnes <mbarnes@islandnet.com>
- 3) [8664] Re: HP 200LX needed!!  
by Andy Fox <foxes@theriver.com>
- 4) [8665] Soldering Irons  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 5) [8666] Re: The Peace that passes all understanding  
by "Fred Ringwald" <fred@innocent.com>
- 6) [8667] QRP-L at Dayton '98  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 7) [8668] RS SWR ?? HELP  
by "Jim Sharp" <lobar@doitnow.com>
- 8) [8669] QRV 38s' - Rare?  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 9) [8670] RE: RS SWR ?? HELP  
by Conrad <radman@best.com>
- 10) [8671] Re: The Peace that passes all understanding  
by nilsbull@juno.com (Nils R Young)
- 11) [8672] BOB WA2HOQ  
by burro@panama.gulf.net
- 12) [8673] Buried coax and radials  
by "Ken Burrough" <ne0c@1st.net>
- 13) [8674] QRP banquet  
by kc4mhm@juno.com
- 14) [8675] Re: QRV 38s' - Rare?  
by Roger Hightower <n7kt@earthlink.net>
- 15) [8676] Re: Fairly cheap parts storage. Manila , Space saver.  
by Conway Yee <cyee@bidmc.harvard.edu>
- 16) [8677] Cmos II Keyer?  
by "Tim Cook" <timcook@erinet.com>
- 17) [8678] Upgraded!!  
by Roger Braker <msebrakr@telepath.com>
- 18) [8679] Antenna Restriction responses  
by Dan Baldwin <baldwin@primenet.com>
- 19) [8680] Elmer 101: part 2 on web site

- by Michael Maiorana <mikemo@ibm.net>
- 20) [8681] Re: QRV 38s' - Rare?  
by Jack Parker <Pparker@greatbasin.net>
- 21) [8682] Halp - Revisited  
by jdenison@morelr.com (JOEL DENISON)
- 22) [8683] 100kW into a 15dB Curtain! RHC Report From Caracas  
by jfd <jdougher@wt.net>
- 23) [8684] RE: Parts Deals-  
by n5inz@juno.com (John M Andrews)
- 24) [8685] Elmer 101: part 3, VFO construction  
by Michael Maiorana <mikemo@ibm.net>
- 25) [8686] Re: 100kW into a 15dB Curtain! RHC Report From Caracas  
by Paul Harden <pharden@aoc.nrao.edu>
- 26) [8687] WE6W great qso for Bill's loop and QRP bug to bug.  
by Jess Gypin <jessqrp@concentric.net>
- 27) [8688] Re: Upgraded!!  
by "Dan Trigilio" <danjt@cruzio.com>
- 28) [8689] Dayton list on web  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 29) [8690] 38 special crystals??  
by Scott Bauer <ke3nv@erols.com>
- 30) [8691] Re: The Peace that passes all understanding  
by Monte Stark <ku7y@dri.edu>
- 31) [8692] Bargain RS Project Boxes...  
by Conrad <radman@best.com>
- 32) [8693] Soldering Irons- Repost  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 33) [8694] Elmer101 30 meter version  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 34) [8695] Dan's Small Parts and Kits Sale  
by Jerry Parker <jparker@fix.net>
- 35) [8696] Sputnik Commemorative Received  
by Erv <kb8tnq@voyager.net>
- 36) [8697] G4 great op  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 37) [8698] Re: HP 200LX users !!!  
by mwattcpa@earthlink.net (Marty Watt)
- 38) [8699] Re: Replacing tubes w semiconductors  
by Joachim Seibert <jseibert@hermes.desy.de>
- 39) [8700] Re: The Peace that passes all understanding  
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
- 40) [8701] Re: posting  
by Richard Powell <ripowell@mpna.com>
- 41) [8702] Sv: HP 200LX needed!!  
by "Kim Andersen" <ox3fv@greenet.gl>
- 42) [8703] Re: QRP banquet  
by Shepherd <Shepherd@aol.com>
- 43) [8704] Re: Upgraded!!

by Shepherd <Shepherd@aol.com>  
44) [8705] Vacation  
by Rick Sealey <rsealey@InfoAve.Net>  
45) [8706] font - slashed zero  
by Rick Sealey <rsealey@InfoAve.Net>  
46) [8707] Re: QRP banquet  
by LYN <designserv@ipass.net>  
47) [8708] RE: The Suburban Multibander by W6JJZ - Balun details needed  
by Tracy@bytemark.com (Tracy)  
48) [8709] Re: QRV 38s' - Rare?  
by Jack Parker <Pparker@greatbasin.net>  
49) [8710] Re: Dayton NorCal Building Contest Entries  
by Roger Braker <msebrakr@telepath.com>  
50) [8711] RE: OFF Topic: FONTS With " / " Zeros  
by applitech@mcg.net (Claton Cadmus)  
51) [8712] Re: QRV 38s' - Rare?  
by Ed Loranger <we6w@qsl.net>  
52) [8713] MFJ Loop  
by "Jim Lyons" <ve2kn@hotmail.com>  
53) [8714] A1 Receiver  
by "Jim Lyons" <ve2kn@hotmail.com>  
54) [8715] Re: Vacation  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
55) [8716] Re: QRP banquet  
by Shepherd <Shepherd@aol.com>  
56) [8717] off topic--re: website and e-mail service  
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
57) [8718] Re: 100kW into a 15dB Curtain! RHC Report From Caracas  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
58) [8719] Re: Another handy building tip...  
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
59) [8720] HP 200LX  
by Monte Stark <ku7y@dri.edu>  
60) [8721] 38 spec crystals?? Thanks for the help  
by Scott Bauer <ke3nv@erols.com>  
61) [8722] Thoughts to relax before QRP-TTF  
by Ed Loranger <we6w@qsl.net>  
62) [8723] MK I SA/SA Trade  
by adams@chuck.dallas.sgi.com (Chuck Adams)  
63) [8724] Oh No, the Dreaded 38 Special Crystal Problem Again!!  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
64) [8725] Thanks -- TS-430 Help  
by Chuck Carpenter <w5usj@webwide.net>  
65) [8726] Badgers ate my antenna(s)  
by Bill Howell <bhowell@mail.utexas.edu>  
66) [8727] Alaska Radio Shack Sale Prices... 8^)  
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>  
67) [8728] Tentec Century 21 for sale (clean and works well)

- by W7LS <w7ls@blarg.net>
- 68) [8729] FS: Ten-Tec Scout  
by "Paul Christensen" <paulc@mediaone.net>
- 69) [8730] FS: Ten-Tec Triton IV  
by "Paul Christensen" <paulc@mediaone.net>
- 70) [8731] FS: Capacitors  
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
- 71) [8732] Re: Straight Keys - Past to present  
by "Tim, KD5CKP" <kd5ckp@bellsouth.net>
- 72) [8733] Help with K8FF Paddles  
by mwattcpa@earthlink.net (Marty Watt)
- 73) [8734] Re: Help with K8FF Paddles  
by Andy Fox <foxes@theriver.com>
- 74) [8735] RE: Badgers ate my antenna(s)  
by "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
- 75) [8736] RE: MFJ Loop  
by Larry Cruise <Larry.Cruise@mci.com>
- 76) [8737] HW-7 Mods info  
by Guy Dragoo <gdrag@proedge.com>
- 77) [8738] COUPLED LOOP IMPEDANCES  
by Ed Loranger <we6w@qsl.net>
- 78) [8739] Strange NW30 problem  
by N4JS <n4js@pobox.com>
- 79) [8740] Re: Help with K8FF Paddles  
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 80) [8741] RS model HTX 404  
by Gary Montalbine <garymon@gte.net>
- 81) [8742] 04/98 QRP Quarterly  
by Buck Switzer <n8cqa@tir.com>
- 82) [8743] Re: 04/98 QRP Quarterly  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 83) [8744] Elmer101: A VFO experiment to try...  
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>

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Date: Mon, 20 Apr 1998 18:17:27 -0600  
From: Mike - W0TMW <crucis@sky.net>  
To: FrConrad@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [8662] Re: The Peace that passes all understanding  
Message-ID: <353BD787.2C278901@sky.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

FrConrad wrote:

>

> Dear QRPeople,  
>  
> Oh how I know that "religion" is always an itchy spot on e-mail lists...  
>  
> However...

Snip!

>  
> Go ahead if you must...light my incense.

WHUUMP!

: -) Couldn't resist!

Mike - W0TMW  
>  
> "Father" John  
> WB6MFS

--

```
=====
Mike Watson, W0TMW           QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

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Date: Mon, 20 Apr 1998 15:22:19 -0800  
From: Mary Barnes <mbarnes@islandnet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8663] Elmer101:Soldering irons  
Message-ID: <103130301b161886d6b3b@[199.175.107.35]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

How important is it to have a grounded tip when soldering ICs and transistors? I have used a Weller WP-25 for years that has only a two-prong plug, so cannot have a grounded tip. Is this the time to "invest" in a new iron, before I blow any crucial parts?

Bill

-- William Barnes VE7MEW <mbarnes@islandnet.com>  
E--349 Foul Bay Road, Victoria, BC V8S 4G6 Canada

-----  
Date: Mon, 20 Apr 1998 16:40:19 -0700  
From: Andy Fox <foxes@theriver.com>  
To: ox3fv@greenet.gl  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8664] Re: HP 200LX needed!!  
Message-ID: <353BDCE3.22A2052A@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Kim,

You might want to try EduCalc at:

<http://www.educalc.com/products/palmtops.htm>

They claim to be "Hewlett-Packard's premier Palmtop dealer." I used to fool around a lot with HP calculators, and have dealt with them in the (distant?) past. They're also running a 20% off sale right now.

STA (Standard Disclaimers Apply)

--

72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

-----  
Date: Mon, 20 Apr 1998 17:47:06 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8665] Soldering Irons  
Message-ID: <199804202348.RAA22478@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I've seen several messages here on soldring irons, and would like to invite those with questions to read part one of my construction series "Electronic Construction from A to Z" at <http://www.mtechnologies.com/info>. It's a beginners' level tutorial and part one is largely devoted to soldering.

For those of you who don't have web access, you can get a reprint direct from 73 Magazine-- call 800-274-7373. If anybody does that please let me know how much they want for it . Also please don't ask me to e-mail or snail mail it too you-- it's a four part series with illustrations.

Main thing that will likely be of interest is why you should go for a "temperature controlled" soldering iron rather than a "variable output" one if you are thinking of upgrading from a soldering pencil.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

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<http://www.mtechnologies.com>

(303)752-3382

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-----  
Date: Mon, 20 Apr 1998 18:47:19 -0500

From: "Fred Ringwald" <fred@innocent.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [8666] Re: The Peace that passes all understanding

Message-ID: <006f01bd6cb6\$a90581c0\$6170d9d0@fred.ott.net>

"Father" John,

Here, here! Thanks for your sage bit of wisdom.

My 0.02 worth: IMHO, we are a community, and that is what most people seem to like about QRP-L. Our mission seems to be the common QRP success of each member of our community. Therefore, let's respect each other, celebrate each other's successes, share in the sadness of each other's failures while we see them as opportunities for new successes, help each other in overcoming these failures, and let forgiveness be the rule.

Now I'll get off my soapbox,

73s,

Fred Ringwald, AB0AE

fred@innocent.com

-----Original Message-----

From: FrConrad <FrConrad@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Monday, April 20, 1998 3:44 PM

Subject: The Peace that passes all understanding

>Dear QRPeople,

>

>Oh how I know that "religion" is always an itchy spot on e-mail lists...

>

>However...

>

>As the self-appointed pastoral counselor du jour to the group, I feel obliged

>to observe that tensions seem to be rising as we approach QRPTTF.

>

>Perhaps it would be a good idea if we allowed others to buy the sort of

>antennas they would like...just a suggestion now.

>

>And as one of the newest askers of dumb questions on the list, I appreciate

>the grace with which others have answered my dumb questions and then reached

>out to me and subtly pointed out that the "difficult" answer I sought was only

>two mouse clicks away.

>

>Go ahead if you must...light my incense.

>

>"Father" John

>WB6MFS

>

-----

Date: Tue, 21 Apr 1998 00:06:08 -0400

From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>

To: qrp-l@Lehigh.EDU

Cc: w4qo@amsat.org

Subject: [8667] QRP-L at Dayton '98

Message-ID: <3.0.16.19980421000514.089f9074@som-uky.campus.mci.net>

Mime-Version: 1.0



Content-Type: text/plain; charset="us-ascii"

Here's the list of QRP-L members going to Dayton, in no particular order. If you have no qrp-l number, that's ok... just send me your call. Please be sure to put "qrp-l" somewhere in the subject: field of your message to me. Please do not post to the list... send it to me. I'll re-post the list periodically as needed. Hope to meet you all there.  
...de Rich

CALL	QRP-L #
-----	-----
WB0WQS	702
KF00V	1004
AE4IC	54
N2GO	381
K0BC	1523
WW4ML	3K??
WA6FUH	1117
K8IDN	331
N9UKX	741
AB5PC	1467
KC5FMZ	910
KU7Y	17
W8KC	59
K8DD	246
WB9HFK	1159
AA10F	1217
WB2DVX	1528
KI8CZ	945
N9DD	32
W8DN	575
N4LGH	1453
K8QIY	181
N9TA	1215
W5JAY	1201
W3DW	???
WA6GER	738
NE0C	1524
G0BPS	???
WD4ET	551
W4QO	267
W6RCL	154
N3XRV	655
N8GKQ	1067
K1CL	217
KA8OKH	933

Total = 35

-----  
Date: Mon, 20 Apr 1998 17:19:34 -0700  
From: "Jim Sharp" <lobar@doitnow.com>  
To: "QRP group" <qrp-1@Lehigh.EDU>  
Subject: [8668] RS SWR ?? HELP  
Message-ID: <000701bd6cbb\$2ad61800\$679d62cf@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greetings all

Can someone with the manuals for the RS digital SWR/PWR meter tell me  
(e-mail)  
if it works to 6 meters and whether the power measurement is RMS or PEP.

When measuring SWR on 6 meters the RS digital differs considerably with an  
analog SWR meter.

I snagged one of the last... but without manuals.

Thanks in advance

Jim --- KC7GHP----Peoria AZ

-----  
Date: Tue, 21 Apr 1998 00:30:03 -0400  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8669] QRV 38s' - Rare?  
Message-ID: <3.0.16.19980421002924.089ff56e@som-uky.campus.mci.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've seen more unbuilt 38 special kits for sale than I've  
heard on the air. What's going on here?

Mine works great... if you work me on 30m, 99% of the time I'm using my 38s. I love it.

Have fun... build your 38s and join me on 30m.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>  
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

-----  
Date: Mon, 20 Apr 1998 17:39:05 -0700  
From: Conrad <radman@best.com>  
To: "'lobar@doitnow.com'" <lobar@doitnow.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [8670] RE: RS SWR ?? HELP  
Message-ID: <01BD6C83.37756D00@radman.vip.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Jim, the owner's manual states that the Freq Range is 1.8Mhz - 30 Mhz. =  
It will measure \*peak\* or \*average\* power down to 0.5 watts. I should =  
think it would \*not\* be accurate at 50 Mhz. Perhaps one of the folks =  
with the "big book" for this meter can comment further. I've been quite =  
happy with mine BTW - but, I don't work 6 meters. :)

72 - Conrad - nn6cw  
\*\*\*\*\*  
Subject: RS SWR ?? HELP

Greetings all

Can someone with the manuals for the RS digital SWR/PWR meter tell me  
(e-mail)  
if it works to 6 meters and whether the power measurement is RMS or PEP.

When measuring SWR on 6 meters the RS digital differs considerably with =  
an  
analog SWR meter.

I snagged one of the last... but without manuals.

Thanks in advance

Jim --- KC7GHP-----Peoria AZ

-----  
Date: Mon, 20 Apr 1998 19:14:22 -0500  
From: nilsbull@juno.com (Nils R Young)  
To: FrConrad@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [8671] Re: The Peace that passes all understanding  
Message-ID: <19980420.194720.9550.2.nilsbull@juno.com>

Padre Juan,

You're right. Sometimes we take this wasting money & time on radios all too seriously. Which is one reason that I sometimes get cogent enough to use the delete key. A lot.

Other times I just sit here and read the stuff. Good, bad, ugly, mine. Mine, ugly. Whatever. Anyway, I always try to remember that it's a hobby, not a religion and that no single person here has the market cornered on proper spelling, correct grammar, proper word sausage & automotive spell chickens.

Then I read a book. Or use the delete key.

73  
Nils

-----  
Nils R. Bull Young  
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch  
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com  
<http://www.geocities.com/Athens/Olympus/9172>

-----  
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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 20 Apr 1998 19:53:52 -0500  
From: burro@panama.gulf.net  
To: qrp-1@Lehigh.EDU  
Subject: [8672] BOB WA2HOQ  
Message-ID: <353BEE20.1966@panama.gulf.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

To All:

Just a little note to express my appreciation to a ham who is a good example of what we should all be. Here's a guy who went out of his way to pick up a bargain in quantities to share with any and all who wanted them with no gain to be had and, in fact, after receiving a microphone today that he offered last week, he shipped these by first class USPS at a cost of \$1.97 (my case). Since I sent Bob \$4.50, the compensation to Bob was a grand total of \$2.53. Now, in all the dealings I have had with the cheapskates in this fraternity, this is the first time somebody acted to benefit someone else. Clearly, this guy is not a greedster. And this, my friends, is the problem with our country, in general, these days. Just my 2 cents.

THANKS A LOT, BOB.

Barry WB6LDL

-----  
Date: Mon, 20 Apr 1998 20:45:36 -0400  
From: "Ken Burrough" <ne0c@1st.net>  
To: "QRP-L" <qrp-1@Lehigh.EDU>  
Subject: [8673] Buried coax and radials  
Message-ID: <002e01bd6cc1\$30259820\$98d633d1@ne0c.1st.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike wrote<Just put up a vertical in the backyard, and need to bury the coax and radials>

Well Mike, buy the best direct bury coax (RG-213) and put it just below the grass. Slit the ground with a shovel and push the coax in, in about one

week the grass will grow back and no one will be able to tell where the coax is---unless you have a big dog that likes to bury bones.

You didn't say what kind of vertical you have. If the vertical uses radials, then bare wire is ok. If you have a GAP Challenger or Voyager then you must use counterpoise wires and they are insulated.

My GAP Challenger has been up since the summer of 1991 and my coax is buried as above with no problems. I believe PVC will cause more problems with moisture and contamination than if the coax is just buried. I don't think you can ever get back the cost of the pvc in a buried system, coax does not cost that much and last a long time. By the way, my Challenger has 80 feet of coax feeding it and the Voyager I'm putting up now will have a run of 275 feet to get back to the radio room.

Good luck and 72/73 from the Buzzard Roost.

Ken/ne0c---Ex ka2hjy--n6evc--kc0wn--USAF Retired--QRP-ARCI 9154--FISTS  
3014--QRP-L 1524

-----  
Date: Mon, 20 Apr 1998 21:23:47 -0400  
From: kc4mhm@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [8674] QRP banquet  
Message-ID: <19980420.212348.8950.1.KC4MHM@juno.com>

I have to ask: at a QRP banquet does one only get finger food? Sorry.

73 Ed KC4MHM@juno.com

-----  
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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 20 Apr 1998 18:28:58 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: ka8okh@som-uky.campus.mci.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8675] Re: QRV 38s' - Rare?  
Message-ID: <353B93EA.7A781DFC@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I agree. When the 38S was available, I ordered a dozen, and then resold them at the same price to fellow Club members. I recently put out a request on the local list, and got two back.

Built one according to Gary, AB7MY's article in the Fall 1997 QRPp, and it's a winner. I'm going to do another for myself.

It's a fine rig, and there are enough mods to make it really sing. All but the RIT, that is, :-)

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

-----  
Date: Mon, 20 Apr 1998 21:47:36 EDT  
From: Conway Yee <cyee@bidmc.harvard.edu>  
To: <qrp-l@Lehigh.EDU>  
Subject: [8676] Re: Fairly cheap parts storage. Manila , Space saver.  
Message-ID: <04201998214736.3N110T@email.bidmc.harvard.edu>

>>> I have been using small zip-lock bags with white writing  
>panels. I can get them at a local jewelry supply store in boxes  
>of 1,000 for \$7.00. They have sizes ranging from 1"x1" to 4"x6".  
>The 2"x2" is nice for surface mount parts, and the 2"x3" can hold  
>up to 100 leaded resistors. You can write the value, etc., on  
>the white panel as well as see inside the bag.

>

> I then store the small bags in parts drawers to keep every-  
>thing organized.

I go one better. I put the small zip-lock bags into baseball card holders and then store them in a 3 ring binder. 9 ziplock bags fit on a single sheet.

tnx Conway Yee, N2JWQ

-----  
Date: Mon, 20 Apr 1998 22:17:37 -0400

From: "Tim Cook" <timcook@erinet.com>  
To: "QRP" <qrp-1@Lehigh.EDU>  
Subject: [8677] Cmos II Keyer?  
Message-ID: <024f01bd6ccb\$a8067bc0\$30785acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have the article on the CMOS Super Keyer II. I have one but it is not built to key Grid-Block rigs. I think the article has the wiring option.  
thanks for any help  
Tim  
NZ8J

-----  
Date: Mon, 20 Apr 1998 21:17:36  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-1@Lehigh.EDU  
Subject: [8678] Upgraded!!  
Message-ID: <3.0.1.16.19980420211736.3f17cee0@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,  
Guess what?! I got my upgrade to general to night! I missed three on the written and two on the cw test. I took the 20 wpm code first and that was what I had been trying to copy on the air. Made me a lot more confident for the 13. I used super morse this after noon and set it for 13 and I could have swore it sounded like 25. I think there is something wrong with my copy. I have got to go explor 20 meters and the rest of the "new"(for me) bands:-) Now I wish I had orded the 30 meter version of the SW-40. How hard would it be to convert it after I get it built for 40?? My Galaxy V doesn't have any of the WARC bands on it. Now I just have to remember to put the "/ag" on the end of my call for the next two weeks:-).

73,  
Arnold kd5ckh/ag

Gota rember that /ag remember /ag HI HI

-----



Date: Mon, 20 Apr 1998 19:27:05 -0700  
From: Dan Baldwin <baldwin@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8679] Antenna Restriction responses  
Message-ID: <3.0.5.32.19980420192705.00873210@mailhost.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I want to thank everyone who responded to my antenna restriction E-mail.  
I have alot of great ideas from people on this list and have narrowed it  
down to two to start with . For my situation here the two most likely would  
be to use a random wire attached to the eaves of the house which I already  
have hangers for christmas tree lights, or loop wire antennas located in my  
attic  
for the bands I want to work 40 mtr and 20 mtr. If these don't work out I  
have alot of other ideas from my responses that I can also try.  
Thanks Again ---- 73, Dan KK7JZ

-----  
Date: Mon, 20 Apr 1998 22:41:49 -0400  
From: Michael Maiorana <mikemo@ibm.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [8680] Elmer 101: part 2 on web site  
Message-ID: <353C076D.1B81@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a note to let the students know that the part 2 information is on  
the web site at <http://www.qsl.net/kf4trd>

Is your L1 wound yet?????

--

72 de ku4qo  
Mike Maiorana  
Palm Harbor, FL

"De do do do, de da da da. Thats all I want to say to you" The Police

-----  
Date: Tue, 21 Apr 1998 19:44:32 -0700

From: Jack Parker <Pparker@greatbasin.net>  
To: qrp-l@Lehigh.EDU  
Subject: [8681] Re: QRV 38s' - Rare?  
Message-ID: <3.0.1.32.19980421194432.006a5da8@mail.greatbasin.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I recently picked up one from a fellow in Indiana...he had three unbuilt, I believe. Unfortunately I got one with the incorrect 12MHz crystals (parallel resonance rocks apparently don't work with the NE602's), so I've got mine done, but can't get on 'til I find suitable series resonant crystals :>((

I'm looking forward to using this little rig...someday...

Jack Parker, W7PW  
10-10 #28279; QRP-L #1310; 10GHz VUCC #3 (QRPP); 50MHz WAS (QRP); SMIRK #3335; ARRL Life Member; Grid Square DM09jo

Immediate past-president: Astronomical Society of Nevada; Member: Astronomical Society of the Pacific; Member: North Texas Microwave Society; Associate Member: University of Nevada Radio Club (Radio Pack)

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

-----

Date: Mon, 20 Apr 1998 21:49:44 -0500 (CDT)  
From: jdenison@morelr.com (JOEL DENISON)  
To: qrp-l@Lehigh.EDU  
Subject: [8682] Halp - Revisited  
Message-ID: <199804210249.VAA04008@m20.morelr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang

been messing with the ant here... I think the .1 and .15 spacing I used gave me a less than great f/b ratio so I dropped (grounded :- ) the antenna and went for .2 and .15 spacing and it made a difference... more rejection towards the states... worked bulgaria (spelled sumptin like dat) on the thirty meter ant with these spacings...

I think The other (closer) spacing seemed to give me better gain in the direction of interest (signals were a bit low today) but I have some

other ideas to check out and also found two trees that might give me a shot at alaska... soon as I get more rope and wire... :-)

someone on the list has offered to run the measurements thru a computer for me and I hope I gave him enough information for him to do that...

I am thinking of making the ant with one driven element and a director on either side... hoping for a kinda squashed figure eight that would give me the us and europe... stilll got folks to work on 40 in the us...

Anybody know if that should work out the way I think it will????

Nice thing about ham radio... one can always build it and see what happens... however it's nice to know in advance what to expect... :-)

That's where the ant project is at the moment... Once it starts working it's time to try sum variation...

U know I never worked dx in twenty yrs of haming... till I went qrp and my neighbor showed me what the antenna was for :-) "Mazing things, antennas..."

joel, in maine, north of dixie, but south of Bangor :-)

God Bless  
Joel

WA5CVM  
Joel Denison  
PO BOX 542  
Strong, Maine 04983  
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)  
Gentle Lady (RC Sail Plane)(049 engine - start)  
Vertical 3 elm Yagi 30mtr & 40mtr  
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765  
AK/QRP 109

-----  
Date: Mon, 20 Apr 1998 22:51:25 -0500  
From: jfd <jdougher@wt.net>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [8683] 100kW into a 15dB Curtain! RHC Report From Caracas  
Message-ID: <353C17BD.150C6CFA@wt.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is a 100kW/curtain Antler QRP message - Honest!

I also tried hear RHC DX show with mixed success from here in Caracas, Venezuela; was off the wrong side of their antenna, and only had a dangling wire from hotel room feeding Ic-706, but just heard enough on 9820 to tell what the discussion topics were. But, Arnie kindly

replied to my sig report note with antenna and output details: 15dB  
gain curtain fed with 100kW! - Man, when I grow up I wanna  
be.....

Interestingly, I easily QSO'd with Arnie in Easter ARCI Test with 5watts  
on 21.06 from home QTH in Houston, but only Q3 copy at 100kW on 9.82  
here in Caracas- ain't propogation fun?

Excerpts from RHC setup follow:

73 y atentamente,  
WA8GHZ /5 /YV /MM and (on rare occasion) /3CA

-----

-----

Hi Jack:

To write directly to me use:

.....(deleted for privacy).....

But no problem the cartas@radiohc.org message you sent was forwarded to  
me anyway !

OK about the 9820 kHz, when we are beaming to California from 05 to 07  
UTC it is

315 degrees front, and the reverse beam is 135 !

Caracas is 137 from Havana if I recall well... so the curtain has a 15  
db gain...

theoretically with 100 kW ( which never reach the antenna because of  
losses etc...

so let's re-calculate at 80 kw.. 10 dB gain is 800 kW, 13 dB gain is  
double that...

1.6 megawatts... the antenna has almost 16 dB gain, so that will be  
double

of 1.6 or 3.2 megawatts EFFECTIVE RADIATED POWER in the main beam...

NOW... with a 20 to 26 dB FRONT TO BACK RATIO... we have, let's say  
3.6 MEGAWATTS 10 dB down is 360 kW, 10 db more down is 36 kW, and  
half of that - 3 dB= 18 kW and again half of that -3dB equals 9 kW...

So we can say that mi amigo Jack was listening to a transmission of  
between

9 and 18 kW to a dipole antenna... In other words, you have a good  
receiver !!!

Thanks for the nice reports...its nice to know that the curtain is  
working so nicely,

as I received today a report from another amateur operator in  
California, telling me

that he heard the station very well there !

Please try to listen to our spanish on 11970, 11760, 9505 and 15320 if  
possible

and give me a report of how you copy those from 00 UTC start up time.

73 and good DX  
Your friend in Havana  
Arnie Coro

Arnie Coro C02KK  
Host of Dxers Unlimited  
Radio Havana Cuba  
e-mail : inforhc@mail.infocom.etecsa.cu  
Postal address  
Arnie Coro  
Dxers Unlimited  
Radio Havana Cuba  
Po Box 6240  
Havana  
CUBA 10600

-----  
Date: Mon, 20 Apr 1998 22:00:42 -0500  
From: n5inz@juno.com (John M Andrews)  
To: qrp-1@Lehigh.EDU  
Subject: [8684] RE: Parts Deals-  
Message-ID: <19980420.220042.3198.44.N5INZ@juno.com>

I deleted the original message without much thought-

Sorry- I take exception- Most of the folks I have had dealings with in the group have been fair, reasonable, and have a sincere desire to assist with whatever most folks have "on the burner".

At least a dozen have taken hours to find information. Others have sent parts.  
Most told me- "Just pass it on".

I take a great deal of pride in being a member of this bunch. The one or two you may have rubbed up against are a drop in the bucket.

72, John- N5INZ  
-----

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 20 Apr 1998 23:23:38 -0400  
From: Michael Maiorana <mikemo@ibm.net>  
To: qrp1 <qrp-1@Lehigh.EDU>  
Subject: [8685] Elmer 101: part 3, VFO construction  
Message-ID: <353C113A.23F3@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ok folks, lets get the VFO built.

Some quick theory first, more to follow tomorrow (I'm tired ;-)

A schematic of the VFO only is available at  
<http://reality.sgi.com/adams/vfo.jpg> (Thanks Chuck)

VFO stands for variable frequency oscillator. The VFO determines the frequency at which the radio operates. The vfo signal is mixed with the incoming RF to convert the desired receive frequency to the IF (Intermediate Freq.) of 4MHz. It also determines the transmit frequency by basically the opposite function.

There are 3 things that you need to make a VFO (or any oscillator) work. You need gain (amplification), feedback from output to input in phase, and a frequency determining device (or network).

Lets get it built.

Find and install the following components (with the power off)

c2 47 pf  
c3 10 pf  
c4 2700 pf  
c5 2700 pf  
c6 3300 pf  
c8 82 pf  
c9 10 pf  
c10 270 pf  
c103 .01 mf  
c105 .01 mf  
D1 MV1662

D2 1n4148  
L1 (You did finish it, right? ;-)  
Q2 2n4401  
R15 47 kohms  
R16 22 kohms  
R17 2.2 kohms  
R18 1 megohms

Install a jumper between J2 pins 2 and 3. You can use a resistor lead that you trimmed from one of the above components. This temporarily takes the place of the tuning pot, which will be mounted later.

When you finish, double check the component placement. Also check your soldering.

Fire it up! Put your RF probe on the base of Q2. You should see some RF voltage. Those with oscilloscopes or frequency counters should see an approximatly 3 Mhz signal here. The circuit will be calibrated later so don't install c7.

Get this portion built, and stay tuned for a circuit description, spice analysis and some experiments. Bed time!

--

72 de ku4qo  
Mike Maiorana  
Palm Harbor, FL

"De do do do, de da da da. Thats all I want to say to you" The Police

-----

Date: Mon, 20 Apr 1998 21:24:39 -0600 (MDT)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: jfd <jdougher@wt.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [8686] Re: 100kW into a 15dB Curtain! RHC Report From Caracas  
Message-ID: <Pine.SOL.3.91.980420210029.28686B-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

RHC was very strong in New Mexico (like S9+20+++ ) on my Yaesu FRG-100 on a Windom, and the Hallicrafters SX-28 on a 80' end fed. Even heard them well on the Desert Ratt regen, with about 12' of hookup wire thumbtacked across the ceiling of the shack. 9820 and 9830 (SSB) were the best, with some QSB and audio distortion on 6000 KHz.

Other than their fine signal, it was a real kick hearing about NorCal and the upcoming QRP TTF and Ontario contests over Radio Havana Cuba. After that, Arnie explained some about using different components than specified in VFO's and other circuits. I appreciate how he treats his audience like we have a little intelligence, rather than how most others shoot for a 2nd grade education or something. Great job Arnie.

Arnie closed his show, as always, informing that all reception reports to Radio Havana Cuba are QSL'd. How about everyone who heard the broadcast sending Arnie a reception report and thanking him for the FB program? I don't know how they work pay raises in Cuba, but a handful of good reception reports from QRPers can't hurt -hi. And send along one of your QSL's, a photo of your shack, or whatever. I'm sure they will be shared at the next meeting of the Habana Radio Club. The address he gave was:

Arnie Coro, C02KK  
"DX Unlimited"  
Radio Havana Cuba  
Havana, Cuba

(Or Habana for you purists)

I'll probably put "Reception Report" in the lower left corner. Sending personal/private mail to Cuba is OK, provided it is a standard sized, flat envelope (no padded envelopes or small boxes) or contains nothing of value (no money or 2N2222's -shucks!). I'm sure the "value" of hearing from his new QRP friends will be priceless, however.

I'm sending this to the group as I've received about a dozen emails today wanting to know his address and if you \*can\* send mail to Cuba.

ObQRP: Who else is spreading the word about QRP using 100,000 watts?

72, Paul NA5N NM/TX/XE (practicing for QRP TTF!)

-----  
Date: Mon, 20 Apr 1998 21:34:54 -0600  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8687] WE6W great qso for Bill's loop and QRP bug to bug.  
Message-ID: <353C13DD.3939E9B4@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



There was some talk here earlier about KI7DS and the loop antenna with the trombone cap. The article is in the November 94 QST. It is one of my favorite construction articles. As many of you know, I have messed around with cheap and easy to build loops and they really work well. And as proof, I just got off of 20 meters with Ed, WE6W and he was using one of the trombone cap loops sitting on the floor of his garage. The exchanged signal reports were as good as 569 both ways at times and we carried on a good bug to bug rag chew for 20 minutes or better. Now that the numbers are better and the higher bands are staying open longer, some of the folks on the list might want to look into the small loop antennas that are suffering from restrictions.

Ed was sounding really good here tonight. I was using the Gap Titan and then switched to the 80 meter inverted V fed with twin lead and he dropped in to the noise. That makes sense since the inv v is pointed broadside NW by SE and the nulls would be pointed at the west coast. A very interesting QSO.

By the way, I am still having a ball with the bug that I got about a month ago. I have finally put all of the parts back on it that were not original and even replaced the tuning switch. I know that I have more money in it than I should, but it is at least now all original and looks like new.

Jess

--

Jess N0TFI <><

<http://www.concentric.net/~jessqrp> Personal Home page

<http://qsl.net/N0TFI/bug.html> Bug Stories

-----  
Date: Mon, 20 Apr 1998 20:43:37 -0700  
From: "Dan Trigilio" <danjt@cruzio.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [8688] Re: Upgraded!!  
Message-ID: <002801bd6cd7\$ac10ea00\$7608fbcf@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Arnold, Congratulations. Happy to hear you upgraded, now the real fun begins!!! I know the whole gang will be listening for you on the air.

GL es 73, Dan N1DT/6

-----  
Date: Tue, 21 Apr 1998 04:00:35 -0400  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
To: qrp-l@Lehigh.EDU  
Subject: [8689] Dayton list on web  
Message-ID: <3.0.16.19980421040015.2577c9ea@som-uky.campus.mci.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've put the QRP-L Dayton '98 list on the web at -

<http://www.qsl.net/ka8okh/qrp1-dayton.htm>

I'll probably update every other night, or as needed. I'll also post it to the list each weekend leading up to Dayton.

43 and counting... see you there !!

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>  
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

-----  
Date: Tue, 21 Apr 1998 00:19:14 -0400 (EDT)  
From: Scott Bauer <ke3nv@erols.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8690] 38 special crystals??  
Message-ID: <199804210419.AAA23407@smtp3.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does any one remember the posting made about the bad crystals in the 38 special. I remember seeing the posting telling how to identify the bad ones but cant find the info. Can anyone help? I have a kit that I am sending to a friend and would like to send the correct crystals with it if the ones in this kit are bad.

Thanks for any help.

72, Scott w3cv

-----  
Date: Mon, 20 Apr 1998 21:26:05 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Nils R Young <nilsbull@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8691] Re: The Peace that passes all understanding  
Message-ID: <Pine.SOL.3.96.980420212503.231B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Nils,

Gee, I was reading your good reply when suddenly the delete key activated and now I'll never know what I missed... :-(

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Mon, 20 Apr 1998 21:38:48 -0700  
From: Conrad <radman@best.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [8692] Bargain RS Project Boxes...  
Message-ID: <01BD6CA4.B47EFF20@radman.vip.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Gang,

If you like project boxes check out the following Radio Shack specials. =  
Good for small-medium sized QRP prototypes/projects. Specs/prices as =  
follows:

RS 270-223 Deluxe Project Case 5.75"L x 3.1"W 1.75"D with internal PCB =  
slots.

Injection molded in USA -- heavy wall plastic -- Royal Blue... NICE !=20

Cost: \$1.97 ea. \*Sale\*=20

RS 270-224 Deluxe Project Case 7.5"L x 4.25"W x 2.3"D with internal PCB = slots.

Injection molded in USA -- heavy wall plastic -- Royal Blue... NICE !=20  
Cost: \$1.97 ea. \*Sale\*

RS 270-232 Experimenter Box 7.75"L x 4.3"W x 2.3"D NO internal PCB = slots.

Black injection molded plastic w/ Aluminum bottom plate. \*Closeout\* \$ = 0.97 ea

Happy packaging... Sorry if this has already been posted. Usual = disclaimers....

72 - Conrad - nn6cw=20

-----  
Date: Mon, 20 Apr 1998 22:41:37 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8693] Soldering Irons- Repost  
Message-ID: <199804210442.WAA30551@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Sorry, but the gremlins did it AGAIN. The url for the construction article ends in .htm-- here's a corrected repost.

-----  
I've seen several messages here on soldring irons, and would like to invite those with questions to read part one of my construction series "Electronic Construction from A to Z" at <http://www.mtechnologies.com/info.htm>  
It's a beginners' level tutorial and part one is largely devoted to soldering.

For those of you who don't have web access, you can get a reprint direct from 73 Magazine-- call 800-274-7373. If anybody does that please let me know how much they want for it . Also please don't ask me to e-mail or snail mail it too you-- it's a four part series with illustrations.

Main thing that will likely be of interest is why you

should go for a "temperature controlled" soldering iron rather than a "variable output" one if you are thinking of upgrading from a soldering pencil.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com>

(303)752-3382

--

-----  
Date: Tue, 21 Apr 1998 05:59:20 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [8694] Elmer101 30 meter version  
Message-ID: <199804210459.FAA23556@chuck.dallas.sgi.com>

Gang,

On page 12 of the 30 meter version there is an error in the count on L1. You should have caught this as there is a reference to the Novice freqs and those are not available on 30 meters.

Correct count is 29, but you knew that. Just a reminder in case you are reading that section for the first time.

dit dit

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Mon, 20 Apr 1998 23:14:28 -0700  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8695] Dan's Small Parts and Kits Sale

Message-ID: <2.2.32.19980421061428.006b682c@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Yep,

Dan has done it again. He has posted his  
1998 Spring and Summer SALE.

Check it out.

<http://www.fix.net/dans.html>

Also the 40 version of the Centennial is now available  
from Dan.

Enjoy,,,72,,,Jerry...WA6OWR...K

-----  
Date: Tue, 21 Apr 1998 02:19:48 -0400  
From: Erv <kb8tnq@voyager.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [8696] Sputnik Commemorative Received  
Message-ID: <353C3A84.732E5622@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang:

Well, since the 40th Anniversary Sputnik was using LOW power, I thought  
this might be of interest to some...

In Monday's mail, direct from Reunion Island was my reply to the QSL  
report I sent in on Sputnik as it beep-beep-beeped its way around the  
globe last year. I am especially honored to see that I was the 62nd  
report processed in the world! WOW!

Yeah, this IS my first REAL historical certificate and I hope to work MIR and the Shuttle some day, but for now, I am enjoying the fact that I have this new piece of wall paper.

See y'all in Dayton!

73/72,  
Erv-W8ERV

--  
Visit our Web Site Today:  
<http://www.qsl.net/kb8tnq>

-----  
"Dare to Dream-It Sets Your  
Spirit Free!"

-----  
Date: Tue, 21 Apr 1998 07:30:16 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [8697] G4 great op  
Message-ID: <199804210630.HAA23715@chuck.dallas.sgi.com>

Gang,

0611UTC April 21, 1998 10.108MHz 0.95W qso with G4RCG. He went the extra distance on a dead band to get the exchange!! Yet another NN1G rig lives.

FYI

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Tue, 21 Apr 1998 06:42:31 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8698] Re: HP 200LX users !!!  
Message-ID: <353f3ef6.14043226@mail.earthlink.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Sun, 19 Apr 1998 09:13:13 -0700, Bruce Grubbs <bog@flagstaff.az.us> =  
wrote:

>I have an HP 100LX which I've used for several years.

>A brilliant design, and much more useful than the Windows CE machines.

=46WIW ...

I've seen the little (I mean LITTLE) toshiba CT-50 Libretto's going for =  
under  
\$1,000 at Computer City or other "superstores". Pentium 75, 875 meg HD, =  
56K  
modem, etc. Full-fledged Windows computer (if interested, or can run DOS=  
if  
you still have the disks laying around!). Will fit in a jacket pocket. =  
I'm  
not familiar with the HP pricing, but I would think if one were =  
considering a  
multi-hundred dollar US purchase, the CT-50 Toshiba should at least be on=  
the  
short list of lookers ...

--

72 es 73 de Marty, KM7W

-----  
=46ranklin, Tennessee <http://home.earthlink.net/~mwattcpa> =  
=20  
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

-----

Date: Tue, 21 Apr 1998 09:10:57 +0200 (MST)  
From: Joachim Seibert <jseibert@hermes.desy.de>  
To: Rich <g4pce@richanny.demon.co.uk>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8699] Re: Replacing tubes w semiconductors  
Message-ID: <Pine.SGI.3.95.980421085914.4361A-100000@hermes.desy.de>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Rich!



Your mail is good and bad news at the same time. A very rare case ;-)  
Well, I thought, that the performace of the tubes in the environment which is designed for them, can not be beaten by semiconductors. I was more or less thinking about keeping the main track or the gear, but adding transformers, when necessary, and working also with ICs. Those devices You mentioned seem to me to be a device by device substitution, which is not required in myplans. The main goal would be to test the method on this RX, and convert afterwards a junk TR4, which I purchased for a few marks. The TRX is completly screwed up somehow, but still equiped with most of the XTALs and all filters, including 9MHz SSB filters.

Well, what I learned from all the answers: It will not be easy, but I it is possible. And: It seems to be more than exchanging single devices. (one of the old men reported a success on using a MC1496 with a tube socket on a collins RX as product detector, for instance.

Thank You very much for the reply! Maybe on 40 somewhen (I am in the QRP-QTH right now, and the only thing for radio, I carry with me, is an homebrew 40m trx.) :-)

Best 73s 72s, Joachim DL1GSJ, GQRP# 8367

--

Joachim Seibert, DESY / HERMES  
Notkestr. 85  
D-22607 Hamburg, Germany  
Phone: +49 40 8998 3983  
FAX: +49 40 8998 4034  
Mailto:Joachim.Seibert@desy.de

-----  
Date: Mon, 20 Apr 1998 23:56:08 -0900  
From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>  
To: qrp-l@Lehigh.EDU  
Subject: [8700] Re: The Peace that passes all understanding  
Message-ID: <v03007801b1620e90d9ca@[204.119.15.4]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hear Hear Nils !!!

As a ham buddy in Florida once told me...

"This is not a matter of life and death... It is far more important

than that !!!"

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

-----  
Date: Tue, 21 Apr 1998 07:14:06 -0400  
From: Richard Powell <ripowell@mpna.com>  
To: qrp-1@Lehigh.EDU  
Subject: [8701] Re: posting  
Message-ID: <1.5.4.32.199804211111406.00695490@smtp.mpna.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

. . . should help us remember what?

73

/rick

wb6jbm (i think)

At 11:32 AM 4/20/98 -0500, you wrote:

>Chuck is right. More postings of events and contests would help us old

>guys remember.

>Larry ac5ez

>

>

>

>

>

>

>

>

Richard Powell WB6JBM TENTEN - 13044

Director of Network Services, JDR Consulting Services, LTD.

ripowell@mpna.com <http://www.mpna.com/ripowell>

ripowell@jdrconsulting.com <http://www.jdrconsulting.com>

-----  
Date: Tue, 21 Apr 1998 10:20:25 +0100  
From: "Kim Andersen" <ox3fv@greenet.gl>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8702] Sv: HP 200LX needed!!  
Message-ID: <7717B3FF21F.AAB3FB4@mail.greenet.gl>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi

Thanks to all for info. Nice to have you guys out there in the real world.

72 de Kim/OX3FV

-----  
Date: Tue, 21 Apr 1998 07:40:45 EDT  
From: Shephed <Shephed@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [8703] Re: QRP banquet  
Message-ID: <46d2eeda.353c85be@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 4/20/98 9:27:16 PM Eastern Daylight Time, kc4mhm@juno.com writes:

> have to ask: at a QRP banquet does one only get finger food? Sorry.

>

>

73 Ed KC4MHM@juno.com

Ed,

It depends, if you use a straight key then it's finger food, if you use a keyer then it's fingers food. For those who H.B. you got to make your own. Sorry. :-)

I also wonder since this is a QRP gathering, will the "key" speakers mike be turned way down?

72, 73  
Dan, N8VZU  
QRP-L #1404

-----  
Date: Tue, 21 Apr 1998 07:44:12 EDT  
From: Shephed <Shephed@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8704] Re: Upgraded!!  
Message-ID: <3cecedda.353c868e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Arnold,  
Congratulations!  
Now get in there and keep pounding brass, you'll get the 20WPM in no time.

72, 73  
Dan, N8VZU  
QRP-L #1404

-----  
Date: Tue, 21 Apr 1998 07:47:10 -0400  
From: Rick Sealey <rsealey@InfoAve.Net>  
To: qrp-l@Lehigh.EDU  
Subject: [8705] Vacation  
Message-ID: <1.5.4.32.199804211114710.00fdf0ac@mail.infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

On April 19 Jess Gypin wrote:

<<"Vacations,  
There are far too short. I just got back from a week long cruise in the  
Caribbean. 7 days on a cruise ship. No radios, phones, pagers, work, kids. .  
. .(snip)  
Best and sad to be home."

Jess>>

-----  
I know what you mean, Jess, been there a few times myself under the same

circumstances and it is tough to come back home. By the way, anybody seriously interested in taking a ham vacation down there (Virgin Islands), or would just like to dream about it, take a look at web site:

<http://www.qth.com/windwood>

Pack your qrp rigs (or maybe just your ALC control circuit) and leave the antennas at home - you won't need 'em.

The Knightlites Core Banks trip, QRPTTF, the Four Corners, etc. - all great. But, I think this would be the ultimate!

Rick - W4SEA

-----  
Date: Tue, 21 Apr 1998 08:17:57 -0400  
From: Rick Sealey <rsealey@InfoAve.Net>  
To: qrp-1@Lehigh.EDU  
Subject: [8706] font - slashed zero  
Message-ID: <1.5.4.32.19980421121757.00ffc5b8@mail.infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

On Sat, 18 Apr 1998 21:19:11 you said

<<Looking for Fonts with " / " zeros to use with Windows 95. HELP ?

Thanks  
art

-----  
Art,

In Windows 95 (available in Windows 3, too), check your Accessories folder to see if the Character Map applet is installed. You can use it to generate most any non-keyboard character, including slashed zeros, grave and acute accents - all kinds of diacritical marks, with a combination of <Alt> plus a keypad number entry, or by using a cut and paste procedure. Some versions of W95 install this automatically and some don't (W95b - OSR2). If not installed, you can do so by going to Control Panel, Add/Remove Programs, Windows Setup and double-click the the accessories entry. "Check" the the Character Map item and then click OK to install. (If it's already checked, it's installed.) You'll probably need your W95 CD in place.

Be aware that each font installed in your system can show different

characters available in the character map. If the font you are using doesn't have a slash zero, for example, just choose a different font.

This is a very useful program that very few folks I mention it to even know it exists or what it's for.

OBQRP - It's just little applet.

Rick - W4SEA

-----  
Date: Tue, 21 Apr 1998 08:24:27 -0700  
From: LYN <designserv@ipass.net>  
To: Shephed@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8707] Re: QRP banquet  
Message-ID: <353CBA2B.67309B1D@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Shephed wrote:

> I also wonder since this is a QRP gathering, will the "key" speakers mike be  
> turned way down?  
>

WHAT mike?

-----  
Date: Tue, 21 Apr 1998 09:25:08 -0400  
From: Tracy@bytemark.com (Tracy)  
To: "'stephen@stevef.demon.co.uk'" <stephen@stevef.demon.co.uk>, "QRP-L (E-mail)"  
<qrp-l@Lehigh.EDU>  
Subject: [8708] RE: The Suburban Multibander by W6JJZ - Balun details needed  
Message-ID: <01BD6D07.B85DDE00.tracy@bytemark.com>

We ship cores to your side of the world for a reasonable amount. Let me know if I can help. Check our section on BALUNS, maybe there's some discussion there that will help.

Tracy Markham, N4LGH, #1453  
ByteMark / Amidon  
Tracy@bytemark.com  
www.bytemark.com/amidon

-----Original Message-----

From: Stephen John Farthing [SMTP:stephen@stevef.demon.co.uk]  
Sent: Monday, April 20, 1998 4:05 PM  
To: Low Power Amateur Radio Discussion  
Subject: The Suburban Multibander by W6JJZ - Balun details needed

Hi,

On the advice of G0TOE I am going to put up this aerial which he reckons is FB. It is a doublet - length of the horizontal is  $630/F$  feet and the feeder is  $(328 * \text{Velocity factor})/f$  feet of 450 ohm twin feeder. The feeder is terminated into a choke balun - 14 turns of 50 ohm RG58 wrapped around an AMIDON FT240/43 core. I'll put it on 7030 Mhz. According to the info it does not need an ATU on 20/40 meters and will work on all other bands other than 160 with an ATU.

Problem :- the 240/43 is unobtainable over here(unless you know different). TOE uses a RADIOWORKS B14K (a B12K will do) but I cannot source either. If I can make one I would rather not buy one.

If my grasp of theory is correct the only purpose of the balun is to match the impedance of 50 ohms to 450 ohms so that maximum current goes up the co-ax inner and none goes up the outer. The way to do this is to make a 9 to 1 balun. There are a number of options :-

- a) Use the 2040/4 core as above,
- b) Use the Radioworks balun ( is this 9:1?)
- c) Loop the co-ax a number of times
- d) feed the co-ax through lots of ferrite rings
- e) Make a matching transformer with a ferrite rod for a core.

Given that impedance will change with frequency is the 9:1 ratio an approximation? if so am I correct in assuming that the best way to approach the problem is by trial and error i.e. do whatever is needed to maximise the current going up the inner. Do I have to try this for all frequencies?. Is there a scientific solution?

Thanks in advance.

PS If Charles A Lofgren - W6JJZ is on the net it would be nice to hear his views

PPS approximate lengths are, for 7.1 MHz, 88.8 feet for the flat top,  
and  $46.2 \times VF$  feet for the feeder.

--

Stephen John Farthing MBCS G0XAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766

-----  
Date: Wed, 22 Apr 1998 06:36:00 -0700  
From: Jack Parker <Pparker@greatbasin.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8709] Re: QRV 38s' - Rare?  
Message-ID: <3.0.1.32.19980422063600.00695a30@mail.greatbasin.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 12:05 AM 4/21/98 -0900, you wrote:

>Hi Jack...

>

> You might want to contact Doug Hendricks of Norcal... They had a batch  
>with the wrong crystal and made it right with a replacement... Would not  
>surprise me if he still has some and probably will replace it for you...

>

> Hope that this is of some help... Take care and have fun...

>

>72 / 73 / oo's - Bruce - KL7JAF

>

>"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

>

Have gotten such an offer from NA5N. I am most appreciative!

Jack Parker, W7PW  
10-10 #28279; QRP-L #1310; 10GHz VUCC #3 (QRPP); 50MHz WAS (QRP); SMIRK  
#3335; ARRL Life Member; Grid Square DM09jo

Immediate past-president: Astronomical Society of Nevada; Member:  
Astronomical Society of the Pacific; Member: North Texas Microwave Society;  
Associate Member: University of Nevada Radio Club (Radio Pack)

"...the time is fast approaching when freedom, public peace, and social  
order itself will not be able to exist without education."



Alexis de Tocqueville--Democracy in America (1834)

-----  
Date: Tue, 21 Apr 1998 09:05:00  
From: Roger Braker <msebrakr@telepath.com>  
To: ki6ds@dpol.k12.ca.us  
Cc: qrp-1@Lehigh.EDU  
Subject: [8710] Re: Dayton NorCal Building Contest Entries  
Message-ID: <3.0.1.16.19980421090500.09a71ee4@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:35 AM 4/20/98 -0700, you wrote:

<snip>

>Remember there are 3 divisions this year:

>

>K8FF Paddles

>2N2222

>K5F0 Unlimited

>

>There are 3 prizes for each division. ARCI has very graciously donated 3  
>outstanding prizes, one for each category. NorCal would like to thank ARCI  
>for their help. See you in Dayton. 72, Doug, KI6DS

What is the K5F0 Unlimited and the K8FF Paddles? Where can I see more  
info? Thanks.

73,  
Arnold kd5ckh\ag

-----  
Date: Tue, 21 Apr 1998 10:26:42 -0500  
From: applitech@mcg.net (Claton Cadmus)  
To: <KB7WW@SignalONE.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8711] RE: OFF Topic: FONTS With " / " Zeros  
Message-ID: <000501bd6d39\$e345ae40\$a30a5e2c@groucho>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Most of the normal fonts have this character available. When you want to type a zero with a slash, hold down the "alt" key and type 0216 on the numeric keypad, release the "alt" key and a zero with slash will appear. " " slash-zero shown here, but you probably won't see it because the internet is 7bit ASCII and you need the eighth bit for the special character. So don't bother using it to post to the list.

Hope this Helps

----

73 de KA0GKC Claton Cadmus

ka0gkc@mcg.net

MNQR #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----

Date: Tue, 21 Apr 1998 15:38:10 +0000

From: Ed Loranger <we6w@qsl.net>

To: ka8okh@som-uky.campus.mci.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [8712] Re: QRV 38s' - Rare?

Message-ID: <353CBD62.C80@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Rich, FB on your 38Special activity on 30 meters. I was on 30 meters weekend/before last. But QRO ops hit me hard then the Spanish code word lady buried me.... My 38special tunes from 10.114 to 10.134, is that good?

I get about 2.5 watts out with the 5Watt mod. Keep the faith, we'll be joining you more often but so many projects on the workbench!

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----

Date: Tue, 21 Apr 1998 08:39:17 PDT

From: "Jim Lyons" <ve2kn@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [8713] MFJ Loop  
Message-ID: <19980421153918.20260.qmail@hotmail.com>  
Content-Type: text/plain

A local Ham is planning to mount an MFJ loop on the roof of an apartment building. He wants to maximize his chance of making contacts and minimize RFI to neighbours in the building. How should he orient the loop?

I suggested the plane of the loop be vertical and pointing NW-SW. Any experienced loop users disagree? How about a horizontal arrangement?

Jim, VE2KN

---

Get Your Private, Free Email at <http://www.hotmail.com>

-----

Date: Tue, 21 Apr 1998 08:43:00 PDT  
From: "Jim Lyons" <ve2kn@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [8714] A1 Receiver  
Message-ID: <19980421154300.11232.qmail@hotmail.com>  
Content-Type: text/plain

I've just found a PC board in my junk box marked Model A1 Receiver. It looks like it might be a regenerative TRF receiver project possibly from an old 73 Magazine. Anyone recognize this? I've no idea of its origin .... not so unusual in my case :-(

Jim, VE2KN

---

Get Your Private, Free Email at <http://www.hotmail.com>

-----

Date: Tue, 21 Apr 1998 09:49:08 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8715] Re: Vacation  
Message-ID: <05dc01bd6d45\$67867d00\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

><http://www.qth.com/windwood>

Wow! The Virgin Islands are my favorite spot in the world. This place looks like gilded paradise!

Can you imagine what one could do with QRP at this QTH?

Anybody want to join me for a QRP multi-op single effort for the CQWWDX contest?

Mike K1MG

-----  
Date: Tue, 21 Apr 1998 12:51:38 EDT  
From: Shephed <Shephed@aol.com>  
To: designserv@ipass.net, qrp-l@Lehigh.EDU  
Subject: [8716] Re: QRP banquet  
Message-ID: <ad1cce39.353cce9c@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 4/21/98 8:34:03 AM Eastern Daylight Time, designserv@ipass.net writes:

> Shephed wrote:

>

> > I also wonder since this is a QRP gathering, will the "key" speakers mike  
> be

> > turned way down?

> >

>

> WHAT mike?

You know what, that's a good point. I think they should make the speakers send their presentations in code. But the loud speaker can't be more than 5 watts.

-----  
Date: Tue, 21 Apr 1998 09:58:31 -0700

From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [8717] off topic--re: website and e-mail service  
Message-ID: <19980421165859.AAA17730@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

Just got word from my service provider worldnet.att.net that they are increasing the memory available for websites at no extra costs to users. Up from 2MB to 5MB -- all for my monthly fee of \$19.95. AND -- friends who are subscribers to Earthlink report they have 6MB free for websites at about the same cost. Isn't it time you thought about your own front page?

Nice thing about worldnet.att.net is they provide a free tutorial on how to do it, how to upload files, etc.

I pay for my own site and am not an employee -- just thought some of you might like to know.

PS--check out my qrp site (click below) and get an idea of what's being offered.

Best 73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
<http://home.att.net/~alan.kaul/qrp.html>  
alan.kaul@worldnet.att.net  
w6rcl@amsat.org

-----  
Date: Tue, 21 Apr 1998 10:01:23 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8718] Re: 100kW into a 15dB Curtain! RHC Report From Caracas  
Message-ID: <060d01bd6d47\$1dacc750\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

RHC received here 59+20. Nice to hear about QRPTTF on an international broadcast station!

I recorded the program on Minidisc, but have no way of making copies. If anyone wants to bring a portable minidisc player to the next NorCal meeting, I'll be happy to bring the disk and play it.

Mike K1MG

-----  
Date: Tue, 21 Apr 1998 18:24:51 +0000  
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, rbayha@ix.netcom.com  
Subject: [8719] Re: Another handy building tip...  
Message-ID: <E0yRgjL-0005En-00@hen.scotland.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

A desk tidy is very useful for keeping tools handy. As is a tray sold for using in a drawer for knives and forks etc.

Best regards

--73--

Frank G3YCC G QRP 042  
email: g3ycc@g3ycc.prestel.co.uk  
QRP web Site: <http://homeusers.prestel.co.uk/g3ycc/>  
Packet: G3YCC@GB7HUL

-----  
Date: Tue, 21 Apr 1998 10:38:26 -0700  
From: Monte Stark <ku7y@dri.edu>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [8720] HP 200LX  
Message-ID: <353CD992.1099A58@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All,

Would someone who has and uses one of these contact me?

I need to know what I need to buy to get it up and running.

Thanks,

--

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Tue, 21 Apr 1998 13:45:53 -0400 (EDT)  
From: Scott Bauer <ke3nv@erols.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8721] 38 spec crystals?? Thanks for the help  
Message-ID: <199804211745.NAA15259@smtp2.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to all who forwarded me the info about the  
bad crystals in the 38 special. I have saved the  
file this time.

72, Scott w3cv

-----

Date: Tue, 21 Apr 1998 17:48:38 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8722] Thoughts to relax before QRP-TTF  
Message-ID: <353CDBF6.28D9@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm participating from home again this year. It reduces stress  
on the XYL/Harmonics.

Some things I'll do in preparation:

Get on the air and ragchew -- get the muscles ready

.

Take a day off before TTF. Preferably Wednesday.

Read some chapters from my favorite non-ham library:

Destroyer Series "Remo Williams"

Siddartha <-- most enlightening.  
Perfume <--- Most interesting book.

Detail clean/polish/paint some of your ham gear to "Show" quality.

Fix that foot stool you love.

promise 30 minutes of investigation/repair of a broken piece of gear.

Visualize your TTF field needs and pack your gear.  
Set up from "Scratch" in the back yard and any tool needed goes  
in the 5 gallon bucket! Take bucket with you. Nothing goes back  
in the garage.

Have fun.  
-Ed

--  
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Tue, 21 Apr 1998 18:56:56 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [8723] MK I SA/SA Trade  
Message-ID: <199804211756.SAA25148@chuck.dallas.sgi.com>

Gang,

I have a Steve Weber, MK I SA/SA, unbuilt kit still in the bag  
unopened. Since I have a MK II SA/SA that I am building there  
is no need for both.

So here is the deal. No money for this puppy please. I am in  
dire need of a kit. Kinda a QRP kit but in the optical region  
instead of HF.

A long time ago Edmund Scientific sold mirror kits for reflecting  
telescopes, but alas they seem to have dropped the line. Guess  
people don't build their own anymore. :-) Sound familiar? I  
knew that you would think so. I am looking for a 12" mirror  
and might go for 10" if I can't find a 12. This for the purpose



of doing some CCD work at 6,300' ASL when I get moved in a couple of years.

So any help here greatly appreciated. Oh, unopened mirror kit only as I don't want to have to correct optical problems at this level.

I will be trying to copy small numbers of photons over long time intervals so I guess it is QRPpppp levels in the optical with CCW with a CCD. :-)

First one to find me the puppy I need wins the prize.

dit dit

TIA

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Tue, 21 Apr 1998 11:36:53 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@Lehigh.EDU>  
Subject: [8724] Oh No, the Dreaded 38 Special Crystal Problem Again!!  
Message-ID: <01bd6d54\$74699980\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It is a nice day in California, El Nino has decided to give us a break and we are enjoying beautiful weather. I am back at work after spring break, and I check the qrp-1 reflector during my morning break. Scan the messages, and oh no, here it is again, that \$#@%#\$@ 38 Special Crystal Problem. I had hoped that mistake was finally put to rest. But no, here it is again rearing its ugly head.

A little history. During the second run of NorCal 38 Special kits, over 400 kits were mailed with crystals that were marked 22.1184, but were actually third overtone crystals, and they would not work. A horrible mistake, and one that would cost NorCal hundreds of dollars. There was no choice but to purchase 500 new crystals at a cost of \$1.10 each, and then post to the list and in QRPp that a mistake had been made. A faulty part was in the kit, and it would be replaced at NorCal's expense. To the tune of \$.55 postage, and a \$.29 bubble mailer. We sent out 448 of the crystals, and I have 52 left.

Now, guys are building some of those kits that they have been keeping on the back burner. That is wonderful news guys. And guess what, you are lucky.

I have 52 of the replacement crystals left. The bad crystals are marked:

KOY0  
22.1184MHz  
87-35

If you have one marked like this it will not work in your 38 Special. Please let me know and I will mail you a new one, free of charge. All that I need is your mailing address.

Now a word to the wise. You are about to get an education, and remember as a famous QRP'er (K5FO) says, education costs. When you buy a kit, please inventory the parts as soon as you get the kit. Every kit supplier that I know of will replace the parts with no questions asked, if you do it in 30 days. But if you wait for 6 months or so, then you are taking a chance, and a really big chance if you buy the kit from a club, as they tend to do limited runs and when it is done, it is done. If you wait longer than 30 days to find out that you are missing a part, you have gone past the time period that the supplier is obligated to send you the parts. The responsibility for finding the replacements is then yours. All of this can be avoided if you just inventory the parts. Do I always do this? NO. Should I? Yes.

Also, none of the 12 MHz crystals that I know of were bad. But, I do have a very few of those if you think that one of yours is bad. Let me know. 72, Doug, KI6DS

-----  
Date: Tue, 21 Apr 1998 13:40:28 -0500  
From: Chuck Carpenter <w5usj@webwide.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8725] Thanks -- TS-430 Help  
Message-ID: <3.0.1.32.19980421134028.00690ba4@mail.webwide.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Thanks to all who replied with information and suggestions for service and/or repair of the ailing TS-430S here.

In addition to possible reasons or causes and cures for the problem, a

nearby Kenwood service place was identified. I sent emails and received prompt replies.

Clif, ka5icf, at -- AVVid@onramp.net

Clif @ AVVid

222 N. Story Rd., Suite 128, Irving, TX 75061

800-214-5779

AVVid is an Authorized Kenwood and Icom Service Center

<<http://rampages.onramp.net/~avvid>>

72/73 -- Chuck, W5USJ, EM22cv

Rains County, Eagle Capitol of Texas

ARCI # 5422, QRP-L # 1306, FISTS # 3984

-----  
Date: Tue, 21 Apr 1998 14:58:42 -0400

From: Bill Howell <bhowell@mail.utexas.edu>

To: qrp-l@Lehigh.EDU

Subject: [8726] Badgers ate my antenna(s)

Message-ID: <199804211858.0AA43496@nss4.cc.Lehigh.EDU>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Came home a few days ago to find my G5RV laying on the roof. Hmmm... I had previously replaced the portion of the support rope that ran through the tree limbs, with a section of wire so the swaying limbs wouldn't chew through the rope. This time the 'break' occurred at the base of the tree where the rope-end was tied off.

A couple days later the 10m dipole fell down. Turns out that it's nest building season for the birds and squirrels. This time they not only chewed through the rope, but also carried off the 30 foot ball of 'slack' at the end.

Some badgers' got one heck of a long-lasting nest somewhere.

I told the YL that badgers ate my antenna.  
She said "I didn't know we \_had\_ badgers".

Personally I think it was a European Swallow. Or perhaps an  
African Swallow. (Refer to Monty Pythons' "Holy Grail" for  
further info).

Bill Howell  
University of Texas at Austin  
College of Fine Arts  
Electronic Maintenance  
N5ALO QRP-L #415

-----  
Date: Tue, 21 Apr 1998 11:11:10 -0900  
From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>  
To: qrp-l@Lehigh.EDU  
Subject: [8727] Alaska Radio Shack Sale Prices... 8^)  
Message-ID: <v03007800b162aac9c1a3@[204.119.15.4]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Thought you might get a chuckle out of this...

We get the same sale flyer from RS that you do but ours has a swell  
orange sticker on it saying that prices in Alaska & Hawaii are 10% higher  
due to shipping costs... I can live with that, it does cost more to get  
stuff up here...

Yesterday while on a parts procurement run to our "Affiliate RS" store  
I thought I'd ask about the Digital SWR meters... Why yes the young fellow  
says proudly, we have 3 left at only \$131.95... When I asked about it being  
on sale, he scanned it in, by golly you are right, \$89.95... I learned  
years ago not to get too excited about the old "Alaskan Gouge"...

Didn't really need one anyway... Anyone remember what the original  
price was before it went on sale ???

Take care and have fun... Cross your fingers for this weekend, Old Sol seems a bit grumpy here in the Northern Latitudes...

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

-----  
Date: Tue, 21 Apr 1998 11:34:08 -0700  
From: W7LS <w7ls@blarg.net>  
To: qrp-1@Lehigh.EDU  
Subject: [8728] Tentec Century 21 for sale (clean and works well)  
Message-ID: <353CE6A0.53B5@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, all. I need to part with a really nice Tentec Century 21 (analog dial). Ah, needed to buy another toy, alas.... I've checked it out with a calibrated signal generator to see how sensitive it is. Easily receives a 0.1 uV signal on all bands (80-10, no WARC). Transmitter puts out rated power and exceeds rated output on some bands. 50 watts on 20 meters, for instance.

No scratches on it. Minor, minor, wear. You can tell it's not spanking new, but that's about all. I have the original book. \$175 and whatever UPS dings me. You local? Pickup or handoff somewhere in Bellevue/Seattle area.

73 de Jim, W7LS

-----  
Date: Tue, 21 Apr 1998 15:59:48 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8729] FS: Ten-Tec Scout  
Message-ID: <011c01bd6d60\$1cf44360\$4ea898a9@jaxadmin2-89.mediaone.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Scout for sale in Mint condition with 40M band module. Never mobile or portable. Original manual and shipping carton...\$395 plus shipping.

-Paul

-----  
Date: Tue, 21 Apr 1998 16:06:32 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [8730] FS: Ten-Tec Triton IV  
Message-ID: <013301bd6d61\$0f500680\$4ea898a9@jaxadmin2-89.mediaone.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="us-ascii"  
Content-Transfer-Encoding: 7bit

For Sale:

Triton IV model 540 (analog) in VG/Excellent condition with manual and carton. Clean with no mods...smooth PT0. \$ 285.00.

-Paul

-----  
Date: Tue, 21 Apr 1998 16:25:22 -0400  
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [8731] FS: Capacitors  
Message-ID: <v03110700b1627a39e33c@[132.235.72.188]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi,

I am cleaning out the shack. I've got some unused capacitors that I would like to sell. There is a picture of them at:

<http://www.qsl.net/ns8o/capacitors.JPG>

I have:

5 ea of the air variable capacitors, Hammarlund MC 50S 50pf with 1/4" shaft x 5/8" long

10 ea of the Erie, style 413, doorknob capacitors 500pf 20kv about 1" dia with female threaded connections on each end. 10% tol.

35 ea of the Sangamo mica capacitors 150pf 2500 vdc 1/4 inch thick, 1 1/8" x 1 5/8"

Would like to sell entire package for \$40.00, I'll cover shipping costs. First come, first serve!

73 de

```
***** Amateur Radio *****
*                                     <><                                     *
* NN      N  SSSSSSS 88888888 0000000 Greg Weinfurtner AEE BSS *
* N N      N  S      8      8 0      0 Electronic Design Splst *
* N  N      N  SSSSSSS 88888888 0      0 Ohio University Athens *
* N      N N      S 8      8 0      0 GO BOBCATS! *
* N      NN  SSSSSSS 88888888 0000000 EM89WH *
*
* "Can thou send forth lightnings that they may go and say *
*      unto thee, 'Here we are'?" Job 38:35 *
*
*      gweinfurt1@ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
```

-----

Date: Tue, 21 Apr 1998 16:03:29 -0500  
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>  
To: qrp-1@Lehigh.EDU, cw@qth.net  
Subject: [8732] Re: Straight Keys - Past to present  
Message-ID: <353D09A1.3A57@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I wrote:

>

> What are some of the all time favorite keys through history and also the newer ones. I have > always been intrigued by all the different designs. I would like to get input from anyone > having information to offer: stories, pictures, comments, links, and don't limit this to just > keys, consider all the different keying devices just to add to the history.

>

I must have hit a sore subject with this request or maybe its one of those subjects where everybody thought everybody else was going to bombard me with information. As far as bandwidth goes if there is a concern please keep the replies private.

I only received four responses and three of them were from the same gentleman describing and offering suggestions on finding more information about his particular choice. The other was from a gentleman requesting that I forward the information to him. Much to my dismay there wasn't much to share.

Your opinions appreciated.

73

Tim

--

```
*****
* KD5CKP
* Tim Billingsley           Grid# EM54bw
* QRP-L #1510               mailto:kd5ckp@bellsouth.net
* http://personal.mem.bellsouth.net/~kd5ckp/Index.htm
*****
```

-----

Date: Tue, 21 Apr 1998 21:05:42 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: qrp-l@Lehigh.EDU  
Subject: [8733] Help with K8FF Paddles  
Message-ID: <353d07a7.65390931@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

I hope these aren't too dumb to ask ... I never took shop, and have never= had metalworking experience!

I have a set of paddles (two sets, actually, and no, they are not for = sale!!).



One I'd like to finish, the other I'll have finished. The one's I'm =  
trying to  
finish myself I'd like to finish a glossy black (automotive clear-coat or  
similar glossy finish), with the brass polished, but not a mirror finish =  
on  
the brass.

I have a Dremel tool, and a power drill, as well as various sandpaper. =  
I'm  
not familiar with any of them to any great extent, except the power =  
drill.

My questions are as follows:

When measuring the bearing and shaft for blueprinting, am I measuring for  
height or diameter?

Will it hurt the brass to round the edges somewhat? Will I upset some  
"balance" somewhere?

Can the base have the corners and edges rounded? How?

What is the best way to produce that "automotive glossy" finish on the =  
base?

Can I use the Dremel tool to polish the brass? (I'm looking for a nice  
finish, but not a smooth mirror -- I'm not sure how to describe it)

=46or the second set, I'd like to get the base chromed. Where would I =  
look in  
the yellow pages locally for chroming service? =20

--

72 es 73 de Marty, KM7W

-----  
=46ranklin, Tennessee <http://home.earthlink.net/~mwattcpa> =  
=20  
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

-----  
Date: Tue, 21 Apr 1998 14:14:47 -0700  
From: Andy Fox <foxes@theriver.com>  
To: mwattcpa@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8734] Re: Help with K8FF Paddles  
Message-ID: <353D0C47.A6CC2EAF@theriver.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Marty,

Look in the Yellow Pages under "Plating." That's where you'll find all the anodizers and platers and such.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

-----

Date: Wed, 22 Apr 1998 09:18:40 +1200  
From: "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>  
To: bhowell@mail.utexas.edu, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [8735] RE: Badgers ate my antenna(s)  
Message-ID: <199804212117.JAA12272@host02.net.voyager.co.nz>  
MIME-Version: 1.0  
Content-Type: text/plain

Its curled up it tiny feet and shuffled of its wire coil  
Chris Ross Zl3dc

> -----Original Message-----

> From: Bill Howell [SMTP:bhowell@mail.utexas.edu]  
> Sent: Wednesday, April 22, 1998 6:59 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Badgers ate my antenna(s)

>

>

>

> Came home a few days ago to find my G5RV laying on the roof.  
> Hmmm... I had previously replaced the portion of the support  
> rope that ran through the tree limbs, with a section of wire  
> so the swaying limbs wouldn't chew through the rope. This time  
> the 'break' occurred at the base of the tree where the rope-end  
> was tied off.

>

> A couple days later the 10m dipole fell down.  
> Turns out that it's nest building season for the birds and  
> squirrels. This time they not only chewed through the rope,  
> but also carried off the 30 foot ball of 'slack' at the end.

>

> Some badgers' got one heck of a long-lasting nest somewhere.

>  
> I told the YL that badgers ate my antenna.  
> She said "I didn't know we \_had\_ badgers".  
>  
> Personally I think it was a European Swallow. Or perhaps an  
> African Swallow. (Refer to Monty Pythons' "Holy Grail" for  
> further info).  
>  
>  
>  
>  
> Bill Howell  
> University of Texas at Austin  
> College of Fine Arts  
> Electronic Maintenance  
> N5ALO QRP-L #415  
>  
>  
>

-----  
Date: Tue, 21 Apr 1998 16:32:05 -0500  
From: Larry Cruise <Larry.Cruise@mci.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [8736] RE: MFJ Loop  
Message-ID: <01BD6D43.07F56100.Larry.Cruise@mci.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Jim,

I have an AEA IsoLoop and I found it worked much better if mounted vertically. I tried it both ways. I was only able to get it up about 25 feet when I had it horizontal. I found it worked better vertically mounted 10 feet off the ground. I have mine on a rotor so I can take advantage of the directional properties when mounted vertical. On some signals there is considerable difference when you rotate it.

-72 Larry aa5ta  
(In the high planes of West Texas)

>A local Ham is planning to mount an MFJ loop on the roof of an apartment  
>building. He wants to maximize his chance of making contacts and  
>minimize RFI to neighbours in the building. How should he orient the

>loop?

>I suggested the plane of the loop be vertical and pointing NW-SW. Any  
>experienced loop users disagree? How about a horizontal arrangement?

>Jim, VE2KN

-----  
Date: Tue, 21 Apr 1998 13:19:20 -0500  
From: Guy Dragoo <gdrag@proedge.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU> (Receipt  
Notification Requested IPM Return Requested),  
"'heathkit@qth.net'" <heathkit@qth.net> (Receipt Notification Requested IPM  
Return Requested)  
Subject: [8737] HW-7 Mods info  
Message-ID: <"EXCHANGE-980421181920Z-214\*/PRMD=The Productive E/ADMD= /C=US/"@MHS>

Does anyone have any second party add in boards or modification info for the HW-7.  
It seems to power up but from all I can tell it appears to be seriously lacking  
even in its best operating form. All else failing I would consider selling the  
unit if there are any interested parties. Tho not perfect (has a little case rash  
in few places it is by no means abused and appears unmodified except for service  
bulletins.

-----  
Date: Tue, 21 Apr 1998 22:25:46 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [8738] COUPLED LOOP IMPEDANCES  
Message-ID: <353D1CEA.34A9@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This question involves short transmitting loops with a circumference  
less than 1/3 wavelength at the highest operating frequency.

If you feed the loop with a gamma match, the tap is fairly easy  
to find.

But what if you feed the loop with a smaller, concentric loop

inside the first?

I've been looking for any formulas or typical design (rule-of-thumb) information but this info has been lacking. Although it is apparent that the smaller loop circumference is usually about 1/8th the circumference of the larger loop.

Does anyone have information on concentric coupled loop impedance transformations?

Thanks in advance.

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Tue, 21 Apr 1998 18:27:32 -0400  
From: N4JS <n4js@pobox.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8739] Strange NW30 problem  
Message-ID: <v03110705b162ccb01616@[206.106.174.44]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have been working on my NW30 from Dan's. I have the receiver working great. I put the .1 cap across the filter input, and the sidetone is acceptable. BUT, I had no output!

While trouble shooting, I happened to put my RF probe on the hot end of the 5.6K resistor in the buffer (2N2222) stage, at the output of L4 (I think it was R27), Anyway, WHAM, 6 watts showed on the WM2 I had on the output of the rig! When I removed the RF probe, zilch. I then tried a DC voltmeter at the same spot....6 watts, then gone when I removed it. Solder connections look good good, resistor checks right value...what gives? I had to quit working on it and go to work, but will check it tomorrow. Really strange one.

          \_/          \_/  \_/  \_/          \_/  \_/\_/\_/  John L. Sielke  
n4js@pobox.com          \_/\_/          \_/  \_/  \_/          \_/  \_/          n4js@qsl.net  NJ  
Grid:FM29LN          \_/  \_/  \_/  \_/\_/\_/  \_/          \_/\_/\_/          http://www.qsl.net/n4js  
NJ-QRP #57

ICQ# 3789653      QRP-L #884    QRP-ARCI  
#243    FISTS #2781      QCWA CQrp CQC ARS  
G-QRP #9544    Norcal #1989    ARQrp, AKQrp    Formerly: K3HLU, W7JEF, W4MPC,  
TF2WKT

-----  
Date: Tue, 21 Apr 98 15:28:57 PDT  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
To: mwattcpa@earthlink.net  
Cc: qrp-l@Lehigh.EDU (qrp)  
Subject: [8740] Re: Help with K8FF Paddles  
Message-ID: <9804212228.AA21740@wizard.ucs.sfu.ca>

Hi Marty,

>  
> I hope these aren't too dumb to ask ... I never took shop, and have never had  
> metalworking experience!  
>  
> I have a set of paddles (two sets, actually, and no, they are not for sale!!).  
> One I'd like to finish, the other I'll have finished. The one's I'm trying to  
> finish myself I'd like to finish a glossy black (automotive clear-coat or  
> similar glossy finish), with the brass polished, but not a mirror finish on  
> the brass.

For the brass, gently draw the piece across a piece of very fine emery cloth, and see if that is the finish you want. Once the major surface irregularities are gone, then go to progressively finer grades of paper til you reach the finish you want. Make sure you place the paper on a flat surface, and move the piece not the paper, except on the curved portion.

>  
> I have a Dremel tool, and a power drill, as well as various sandpaper. I'm  
> not familiar with any of them to any great extent, except the power drill.  
>  
> My questions are as follows:  
>  
> When measuring the bearing and shaft for blueprinting, am I measuring for  
> height or diameter?  
>  
> Will it hurt the brass to round the edges somewhat? Will I upset some  
> "balance" somewhere?

No you will not upset the balance, but go very carefully as once the brass is gone, there's no putting it back.

> Can the base have the corners and edges rounded? How?

You can ease the edges with a file, and then use a shoeshine technique with emery cloth to round to the desired radius.

>

> What is the best way to produce that "automotive glossy" finish on the base?

I would carefully sand the base, prime and paint it, and then use automotive buffing compound.

>

> Can I use the Dremel tool to polish the brass? (I'm looking for a nice finish, but not a smooth mirror -- I'm not sure how to describe it)

I would be very careful here. If you are not experienced with the dremel, it could get away from you. Try the paper I mentioned above. You can go to 1500 grit paper if you want to.

>

> For the second set, I'd like to get the base chromed. Where would I look in the yellow pages locally for chroming service?

>

> --

> 72 es 73 de Marty, KM7W

>

> Franklin, Tennessee <http://home.earthlink.net/~mwattcpa>

> NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

>

>

-----  
Date: Tue, 21 Apr 1998 18:35:58 -0400  
From: Gary Montalbaine <garymon@gte.net>  
To: "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>  
Subject: [8741] RS model HTX 404  
Message-ID: <353D1F4E.C9986213@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

Our local Radio Shack is having a sale this weekend. One of the items is a HTX404 item 19-1140. He had no information on this HT. The sale price is \$99.97.

Does anyone have any info or experience with this HT? Is it worth the price? 2 meter or 70cm? There is also an O'scope probe for PC use. I forgot the price or model. Are the probes effective?

73,  
Gary, WA4SZI

-----  
Date: Tue, 21 Apr 1998 18:37:56 -0400 (EDT)  
From: Buck Switzer <n8cqa@tir.com>  
To: ku7y@sage.dri.edu  
Cc: qrp-l@Lehigh.EDU, n8cqa@tir.com  
Subject: [8742] 04/98 QRP Quarterly  
Message-ID: <199804212237.SAA20308@sun.tir.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ron - Just received my copy today --- WOW ---. I'm impressed!!!! Layout and content are excellent and this issue is well advertised, always a plus. See you at Dayton.

72/73 Buck

-----  
Date: Tue, 21 Apr 1998 15:50:02 -0700 (PDT)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [8743] Re: 04/98 QRP Quarterly  
Message-ID: <Pine.LNX.3.96.980421154919.14990A-1000000@topaz.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 21 Apr 1998, Buck Switzer wrote:

> Ron - Just received my copy today --- WOW ---. I'm impressed!!!! Layout and  
> content are excellent and this issue is well advertised, always a plus. See  
> you at Dayton.

I still haven't received my copy yet. Have all of the copies been mailed



out yet, or are some still in the queue? :P

Of course, I'm sure that taxes have something to do with this too... :D

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=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      Chief Architect and Project Founder
=====
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Date: 21 Apr 1998 18:57:50 -0400  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
To: qrp-l;;  
Subject: [8744] Elmer101: A VFO experiment to try...  
Message-ID: <1998Apr21.185750-0400@[130.113.234.7]>

SW-40 VFO-building gang,  
Here's an experiment to try on your  
freshly-minted VFO. It'll show some quirks of  
oscillators, and how they differ from normal  
amplifiers in the way they're biased.

Set your meter to "DC volts", and measure the base  
voltage and emitter voltage of Q2. It gets kinda  
crowded at the transistor pins, so you might want  
to measure these voltages across R17(2.2k) and  
R16(22k) instead.

Here's what I get:  
Q2's base voltage (R16, 22k).....2.17v  
Q2's emitter voltage (R17, 2.2k)....2.4 v

Ok, what's strange about this picture? The BASE is  
lower than the EMITTER!!  
How the heck can Q2 work when its base-to-emitter  
voltage is reverse biased? In a normally working  
amplifier, the base must always be about 0.6 volts  
HIGHER than the emitter!

Now you may get slightly different results, because  
your meter will "load down" the oscillator differently  
than mine. But you will still likely see the strange  
situation where  $V_b < V_e$ .

If you want to extend this experiment

further, turn off the power and tack-solder a short jumper temporarily across the toroid (L1). This will keep the circuit from oscillating.

Now power up and re-measure the DC base voltage and emitter voltage:

Q2's DC base voltage.....2.13v

Q2's DC emitter voltage....1.5v

OK, that makes sense. The base is now about 0.6 volts higher than the emitter. With 1.5v across the 2.2k emitter resistor, the transistor is biased at 0.68 ma. emitter current. Collector current is about the same. Now its biasing the way an amplifier should...but its not an oscillator anymore.

(Unsolder the short jumper now, before you forget)

So what's going on with the oscillator - how can it work when the DC base voltage is less than the emitter?

Well, the key here is that there are large AC waveforms (at 3MHz.) at the base and at the emitter too. The AC amplitude at the base (3.8v p-p) is larger than the amplitude at the emitter (1.9v p-p).

The base voltage DOES climb 0.6v higher than the emitter, but only during a short part of the cycle: right at the positive peak. For the rest of the cycle, the transistor is biased off, because the emitter voltage is lower than the base.

So the transistor conducts current in short pulses, maintaining the oscillations by jamming a current pulse from the emitter into the resonating L-C components every cycle.

You don't see these pulses, because of the "flywheel" effect of the 3 MHz. resonant LC components. All the AC voltages look like sinewaves as a result. All the transistor currents aren't sinewaves but are pulses.

Its also important to realize that AC voltages and DC voltages co-exist in any amplifier: interpreting what your meter is telling you can be tricky (especially when the AC volts are bigger than the DC volts).

Glen VE3DNL leinwebe@mcmaster.ca

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End of QRP-L Digest 1067

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